

Fig. 1A

1 gaattcacat ttctcacctt ttgatgtatt aagaaagtat ggagaaatat atcctctatc
61 aaattttcat gcctticaata atttctaatt catcagtcag tgtttttcca tcctttactg
121 tgatgatgcc ctttcticca aactttttica ttgcatcaga gatgatgtta ccaattttctt
181 tgtctccatt tgcagaaatt gtagcaacct gtgcaatttc ttcaggtttg gtcacaggtt
241 tagactgctt tttaagttca gcaattacag catcaacagc taacatcaca cctctcttga
301 tttccactgg attagcacct ttgctaacct tctggaaggc ttattiggaa atagagcata
361 ccagtcacgc agcagtgata gtgccatccc ccagtctctc catttgtgtt attggcaaca
421 tcttggaaca gtttagctcc aatgctttta tatttatcct ttaagtcaat tgactttgca
481 tcagtcacac catcttttgt tactttggga cttccccagc tatgttcaat aattactgtt
541 cttccctttg gccccattgt aatggctaca gcatcgacaa aaagtctaca ctttgaagca
601 ttaaggctca gacatcagca ccaaatttta catctttacc atcacttcaa gtgaggtag
661 gagccagtag cctggacact ggtctcatct ggtgaaagac tgtgggtaat ggaagcattt
721 ctgtggggtg gtggcaggac atgtgcatgg tgaggcaggt catcagcagc aagtgagagc
781 tgcctcttac ttctaaagg tgacatagca agtatacaaa aaaaaataaa atattaattt
841 aggcagagca cataaaggct ttatttcata ttccatttct ctgtatgott tcttcaccag
901 gaagaaatag ttttagtgtc aggaatgaat gagtctgccc ctcaattcca gcctgctcag
961 cacacaagga aacaaagccc tgacaatcag agtgactccc tggtgactaa gctccagtc

Fig.1B (continued from Fig.1A)

1021 tggatgcata ttgttttagc agttctgaca gcatctgacc cagccctctc ttgcatacc
1081 ccaccagaac cttctttttt ttttttttc ttgagactg agtcttgctc tgcggaagc
1141 gattcccggtg cctcagcctc ccaaatacct ggaattatag gcgtaagcca tcatgcctgg
1201 ctaatttttg tatttttcat ggagatgggg ttttgccatg ttggtcaaat tggctcaca
1261 ctctgacct catgtgatcc acctgcctca gcctcccaa gtgctgggat gacagggtga
1321 agccaccatg ctaggctcag aaatttcctt ttataaaaat gtcattaagg atcttggctg
1381 cacaatatcg ttaccagctt cctttaaate cacctctggc ctgccaggaa tcagggttct
1441 tcagaacctg acatttttaa tgaagaggtc aggcaggcca tgaggaaagc ctcatgtcc
1501 ccatgtctct gtcactgctg caccctgag acatcacaga catggacact ggggcctgct
1561 tgtttctcaa actgccctta gatcgaaaga gggaggaacc aggatgaatg ccactcattt
1621 tccaagaaa ggccctctcc tgagtggccg ggatggggct ctgtccattg cctggggccg
1681 ccaattgcta ctctgggtta cggaagaagg acagggtcct gagagacacc agagacctca
1741 cacagccctg aaaacatggg gctccttcat aagtgtttcc catcaccaac agggagacca
1801 cgtggaggcc ttgcagccct actcgggtgct tctccaccaa atccaaggg cagtgcgct
1861 gacgtctgtg gaaagcagag aaagccctgg ctcccaaagc cctgaagtcc tgtggagctg
1921 acattccctg agtgacggtg tgaatggaag gaactcaagt gcgggtggta ggccacctcc
1981 tggcccaggc ctgggtgaac tctgaggga cacatgtagt cacaatccca tctccatt

Fig.1C (continued from Fig.1B)

2041 ctcttctca gaggaaggaa gtgggcatcc atctgcctca tctctctccc gtggggaaga
2101 tggggagttt caggggaact ttacataaa ttaccaccgc tcagatctcc tgtgaggatg
2161 gggcccacca tgctcccggt gctgccagag gccctgagcc cctccagggt ccctgggttt
2221 gagccagccc tgtatcatcc ccaggagctg aatgtccgaa caatggatag aattagatgg
2281 aaagagctct caatttggcc tgagactgtc ccagatact caggaaaaac aggacgtcgc
2341 acagagtggg cagcaggtga gtggcaggtt ataggtcctg agtttgagtt tgttctcag
2401 tgagacagac ccagcccctc actccattca cacactgggt tttaaattgt gcaagatagg
2461 aggaattttc tgggcccaag agcaggagga agggattttc tggggtttcc tgagtccaga
2521 ttgcataag atctctgag tgtgcattgt tcttgagga ccattctctg actcaccagg
2581 taagtggctg aattctaacc tctgtaatga gcatgcacc caataccagt tctgaactct
2641 acctggtgac cagggaccag gaccttata aggtggaagg cttagatgcc tcccagact
2701 cagctcctgg tgaagctccc agccatcagc catgagggtc ttgtatctcc tcttctcgtt
2761 cctcttcata ttctgatgc ctcttcagg tgagatgggc cagggaata ggagggttg
2821 ccaaattgaa gaatggcgta gaagtctct gtctcctctc attcccctcc acctatctct
2881 ccctcatccc tctctctctt tctctctct gtgtgtcccc tccatccttt tctctgctt
2941 ctctctcttc ttccctctct ctctttttt ctgtctttct ttttctctc tccctagagc
3001 atgtctttct ttctttctct ttcttttct ctaccacac ttttagactg agtagactga

Fig. 1D (continued from Fig. 1C)

3061 atgccctatt taattgaacc aagcattgct tccttcaata gaaaaggagt ttgagaaccc

3121 aatggacaac tcactcggtc ttctaagcca atatgaagga gccagtagt ttgtaaata

3181 catctcttca ctgctttcca tgcataact gctgagacta tggttgaaac ctgttaggtg

3241 actttttaaa taaaaggcag aaattttgat tttatctaaa gaaagtagta tagaatgtca

3301 ttttctaaat ttttatattt aaagagtaga tactgcaacc tagagaattc cagataatct

3361 taaggcccag cctatactgt gagaactact gcagcagaca ctctgcccc aggacttttc

3421 tgatcagagg cctgagaac agtcctgcc actaggccac tgcaggttca caggacaggg

3481 acagcccatt gaaaccaact tttaaacctg gatgcctaac cttcattttc tccttgatat

3541 tatgaaaata aaataaaaac catgaaagga taaaagaggg agagtggaag ggaaggatgg

3601 agaaagggaa aaagaaaatt tgagagtaaa tcctaaaaca attaatctaa tagatatcat

3661 cttgtgaaat cctcatttta ccaatcttat ttatgagtcc tgggttttgt gagaacaatg

3721 gggttctgag aggcaccaga gacctatat ttccaaaac ctagaacagt ataatgaagg

3781 aaggagggaa ggagggaggg agggagggaa ggagggaggg agggagggag ggagggaaac

3841 aaaaagaaga atgaggttga aaccaggact tagatattag aaacaagcca ttacaaaatt

3901 tatttctatg gttaattgtg gttttcaact gtaagttact tgggtttaat ttocatttaa

3961 acaatttcag taagttgcat cttttttatc ccatctcaga tcaaatactt aacagactaa

4021 atgatttgaa aaagcaaaaag ttactggct tgtgtgtgtt aaaatggagg tatggtggct

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Fig. 1E (continued from Fig. 1D)

4081 ttgatattat cttcttgtgg tggagctgaa ttcacaagag atcgttgctg agtcctgcc

4141 agaccccacc tggaggcccc agtcactcag gagagatcag ggtctttcac aatcaggttc

4201 tacaaaaata aacatccccc aaaccacagc agtgccagtt tccatgtcag aaacttagat

4261 ccaaatagact gactcgcgtc tcattatcat gatggaaaag cccaggcttg agaaagaagc

4321 ccgtgcgga ttactcaag gcgatactga cacagggttt gtgtttttcc aacatgagtt

4381 ttgagttctt acacgctgtt tgctcttttt gtgtgttttt tccctgttag gtgttttttg

4441 tggatataggc gatcctgtta cctgccttaa gagtggagcc atatgtcatc cagtcctttg

4501 ccctagaagg tataaacaaa ttggcacctg tggctccctt ggaacaaaat gctgcaaaaa

4561 gccatgagga ggccaagaag ctgctgtggc tgatgcggat tcagaaaggc ctccctcatc

4621 agagacgtgc gacatgtaaa ccaaattaaa ctatgggtgc caaagatacg caatctttat

4681 cctagtaatt gtggtcattg ggtgatgttg gtttgggcag gccatctcta atatccttga

4741 aacacctttt tctgctctcc aggaaggggt cagggtgcc acagcggggc ttggagtgc

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